



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: O'Connor et al.

Title: Hydrogel Particle Formulation

Appl. No.: 09/922,218

Filing Date: 08/03/2001

Examiner: Rachel M. Bennett

Art Unit: 1615

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith on Form PTO-1449 a listing of documents previously cited by or submitted to the United States Patent & Trademark Office ("USPTO"). As provided in 37 CFR § 1.98(d), copies of the documents are not being provided since they were previously submitted to the USPTO in relation to this application on July 10, 2003 or November 26, 2001.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

11/05/2003 RADD01 00000006 09922218

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR § 1.97(c), before the mailing date of either a final action under 37 CFR § 1.113, a notice of allowance under 37 CFR § 1.113, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

U.S. Patent No. 5,630,796 is drawn to a method of delivering powder transdermally with a needleless injector.

U.S. Patent No. 4,945,050 is drawn to a method for transporting substances into living cells and tissues and apparatus therefor.

U.S. Patent No. 5,036,006 is drawn to a method for transporting substances into living cells and tissues and apparatus therefor.

PCT Published Patent Application No. WO 91/07487 is drawn to particle-mediated transformation of animal tissue cells.

PCT Published Patent Application No. WO 94/24263 is drawn to a needleless syringe using supersonic gas flow for particle delivery.

PCT Published Patent Application No. WO 95/13798 is drawn to a controlled release preparation.

PCT Published Patent Application No. WO 96/04947 is drawn to particle delivery.

PCT Published Patent Application No. WO 96/12513 is drawn to particle delivery.

PCT Published Patent Application No. WO 96/20022 is drawn to particle delivery.

PCT Published Patent Application No. WO 96/25190 is drawn to trans-mucosal particle delivery.

PCT Published Patent Application No. WO 97/34652 is drawn to a needleless syringe with therapeutic agent particles entrained in supersonic gas flow.

PCT Published Patent Application No. WO 97/48485 is drawn to a method for providing dense particle compositions for use in transdermal particle delivery.

PCT Published Patent Application No. WO 98/10750 is drawn to nucleic acid particle delivery.

PCT Published Patent Application No. WO 99/01168 is drawn to drug particle delivery.

PCT Published Patent Application No. WO 99/01169 is drawn to a syringe and capsule therefor.

PCT Published Patent Application No. WO 00/13573 is drawn to monitoring methods using particle delivery methods.

PCT Published Patent Application No. WO 00/14547 is drawn to immunodiagnostics using particle delivery methods.

PCT Published Patent Application No. WO 00/19982 is drawn to spray coated microparticles for use in needleless syringes.

PCT Published Patent Application No. WO 00/43058 is drawn to a method of enhancing needleless transdermal powdered drug delivery.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP § 609.

**FEE**

A fee in connection with submission of an information disclosure statement under 37 CFR § 1.97(c) in the amount of \$180.00 in accordance with 37 CFR § 1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 03 November 2003

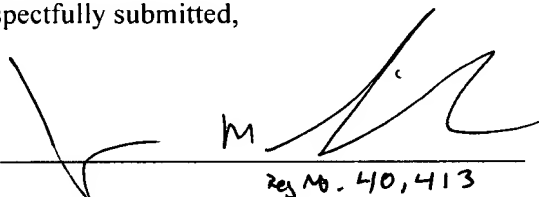
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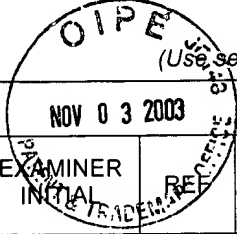
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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 036481-0127		SERIAL NO. 09/922,218		
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)				APPLICANT O'Connor et al.				
				FILING DATE 08/03/2001		GROUP ART UNIT 1615		
<b>U.S. PATENT DOCUMENTS</b>								
	EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
			4,945,050	07/31/1990	Sanford, et al.			
			5,036,006	07/30/1991	Sanford, et al.			
			5,630,796	05/20/1997	Bellhouse, et al.			
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
		WO 91/07487	05/30/1991	PCT				
		WO 94/24263	10/27/1994	PCT				
		WO 95/13798	05/26/1995	PCT				
		WO 96/04947	02/22/1996	PCT				
		WO 96/12513	05/02/1996	PCT				
		WO 96/20022	07/04/1996	PCT				
		WO 96/25190	08/22/1996	PCT				
		WO 97/34652	09/25/1997	PCT				
		WO 97/48485	12/24/1997	PCT				
		WO 98/10750	03/19/1998	PCT				
		WO 99/01168	01/14/1999	PCT				
		WO 99/01169	01/14/1999	PCT				
		WO 00/13573	03/16/2000	PCT				
		WO 00/14547	03/16/2000	PCT				
		WO 00/19982	04/13/2000	PCT				
		WO 00/43058	07/27/2000	PCT				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								